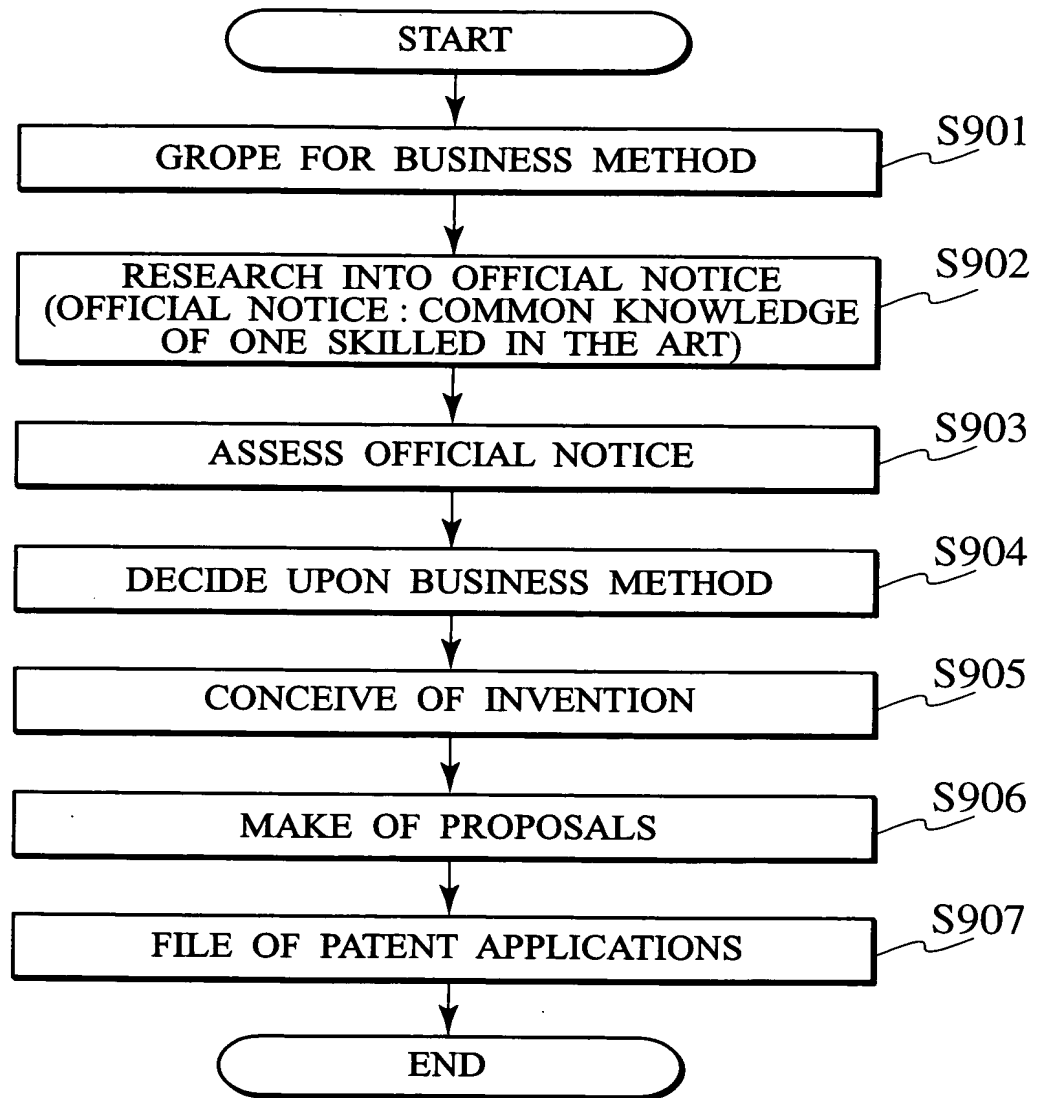


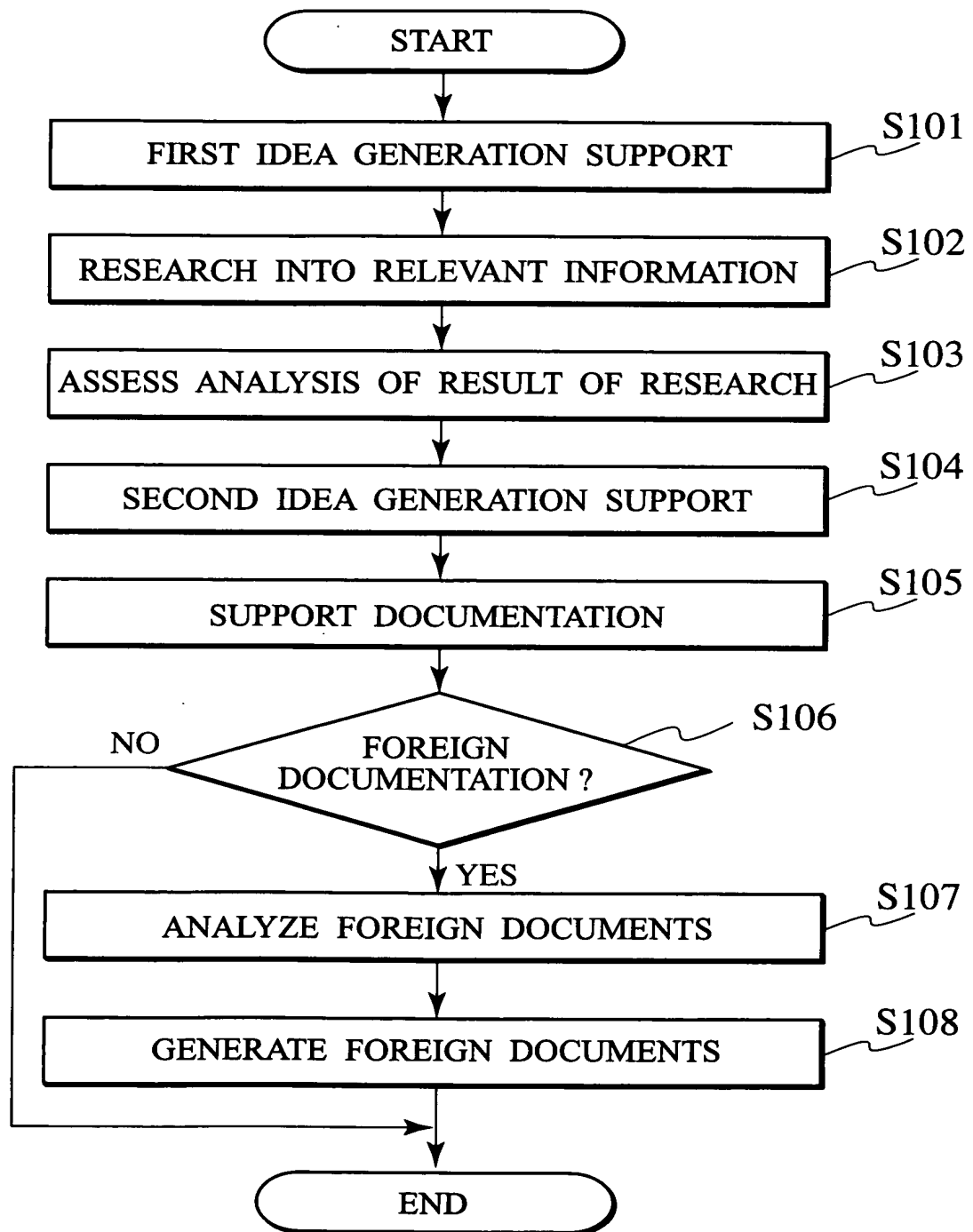
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FIG. 1



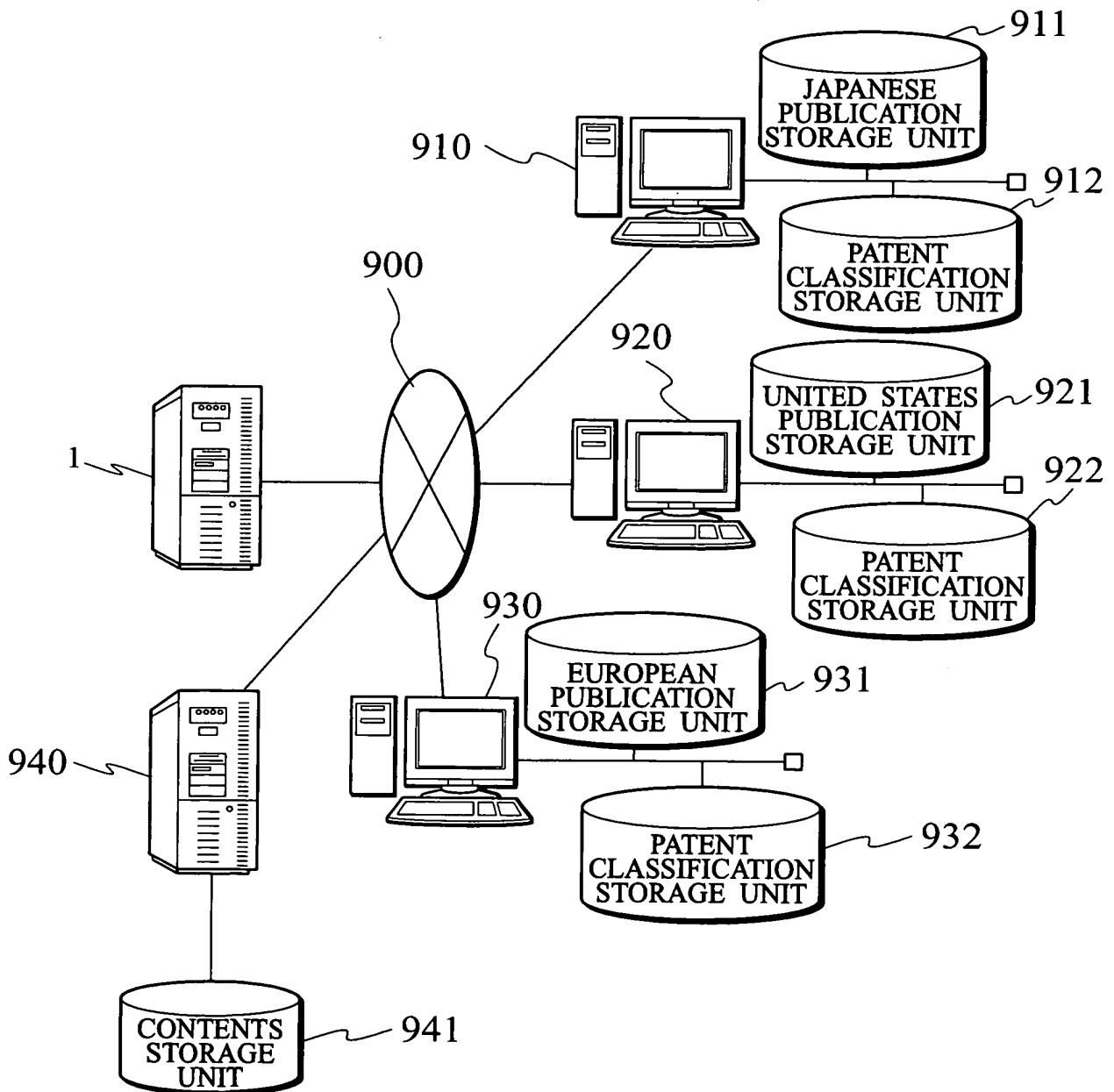
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FIG. 2



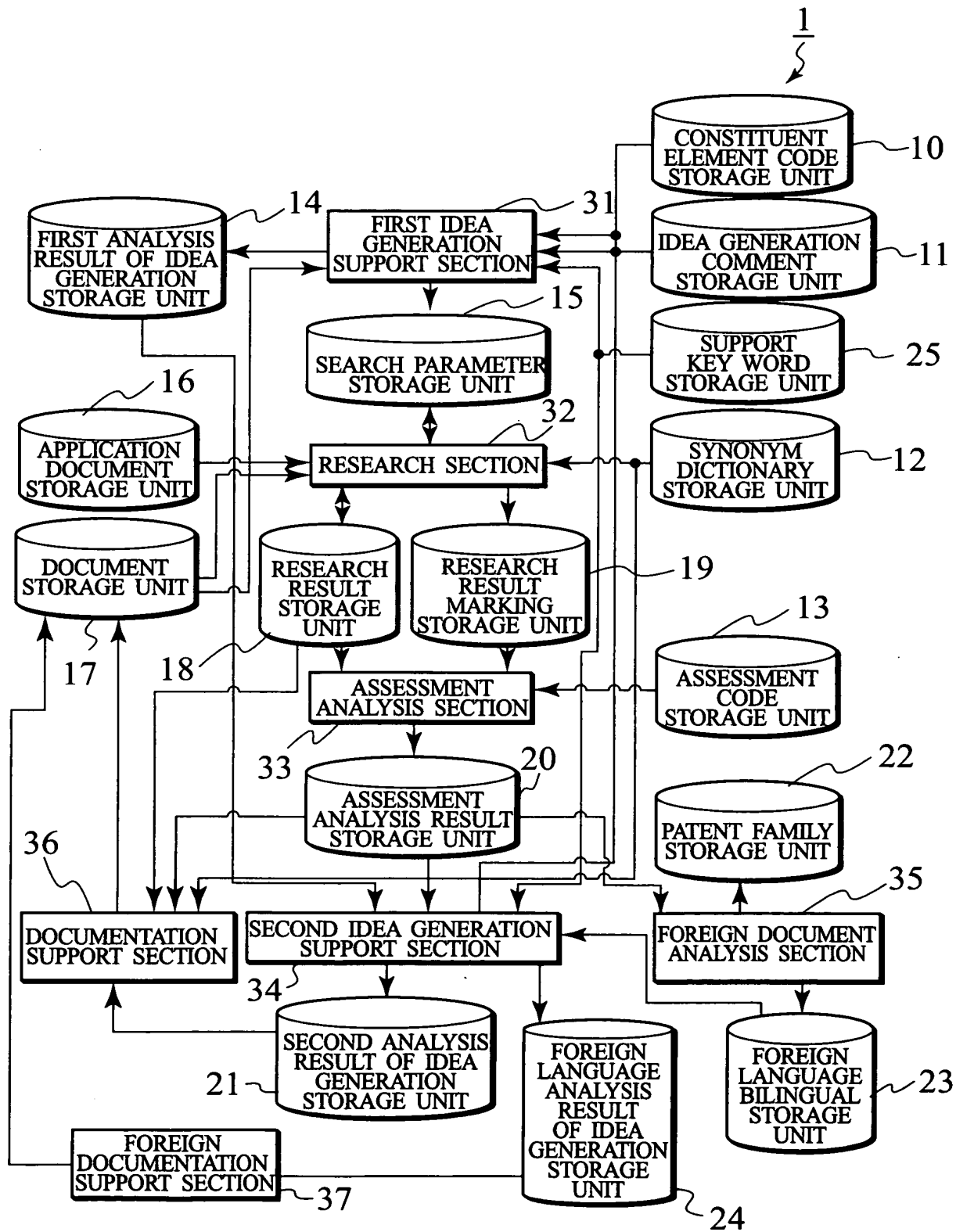
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FIG. 3



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FIG. 4



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FIG. 5

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CONSTITUENT ELEMENT CODE	CONSTITUENT ELEMENT
E01	ROLLER
E02	LUBRICANT
E03	CPU
E04	CAD
⋮	⋮

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FIG. 6

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COMMENT CODE	COMMENTS
C00	NONE (INITIAL VALUE)
C01	NEEDS (SUPPLIER)
C02	NEEDS (USER)
C03	SEEDS
C04	PROPOSAL REFLECTION
C05	HIGH MARGIN PERCENTAGE
C06	HIGH RISK
C07	COST REDUCTION
C08	SPEEDUP
C09	RELIABILITY IMPROVEMENT
C10	LEADING TO MINIATURIZATION
:	:

FIG. 7

12

KEY WORD	SYNONYM	BROAD TERM	NARROW TERM
COMPUTER	ELECTRONIC CALCULATOR INFORMATION PROCESSOR PERSONAL COMPUTER	INFORMATION EQUIPMENT OFFICE EQUIPMENT	WORKSTATION WEARABLE COMPUTER MOBILE COMPUTER
CPU	CENTRAL PROCESSING ARITHMETIC UNIT ARITHMETIC UNIT CENTRAL PROCESSING UNIT		
:	:	:	:

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FIG. 8

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CARD No.	HIERARCHY	POSITION	PARENT CARD No.	THEME	WORDS	COMMENT CODE	CONSTITUENT ELEMENT CODE
1	0	0	-	PRESS APPARATUS			
2	0	1	-	RELIABILITY IMPROVEMENT	AIM AT ERROR RATE TO 7% OR LESS	C01	
3	0	2	-	PRODUCTIVITY IMPROVEMENT	AIM AT 10-FOLD IMPROVEMENT	C01	
4	0	3	-	COST REDUCTION	10% COST CUTTING	C01	
11	11	11	11	11	11	11	11
21	1	1	2	PROCESSING SPEEDUP	AIM AT 10-FOLD IMPROVEMENT	C01	
11	11	11	11	11	11	11	11
21a	2	a	21	TRANSPORTATION SPEEDUP	FEAR OF QUALITY DEGRADATION	C02	
21b	2	b	21	ROLLER SPEEDUP	AUTOMATIZATION OF CONTROLLER	C02	E01
11	11	11	11	11	11	11	11

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FIG. 9

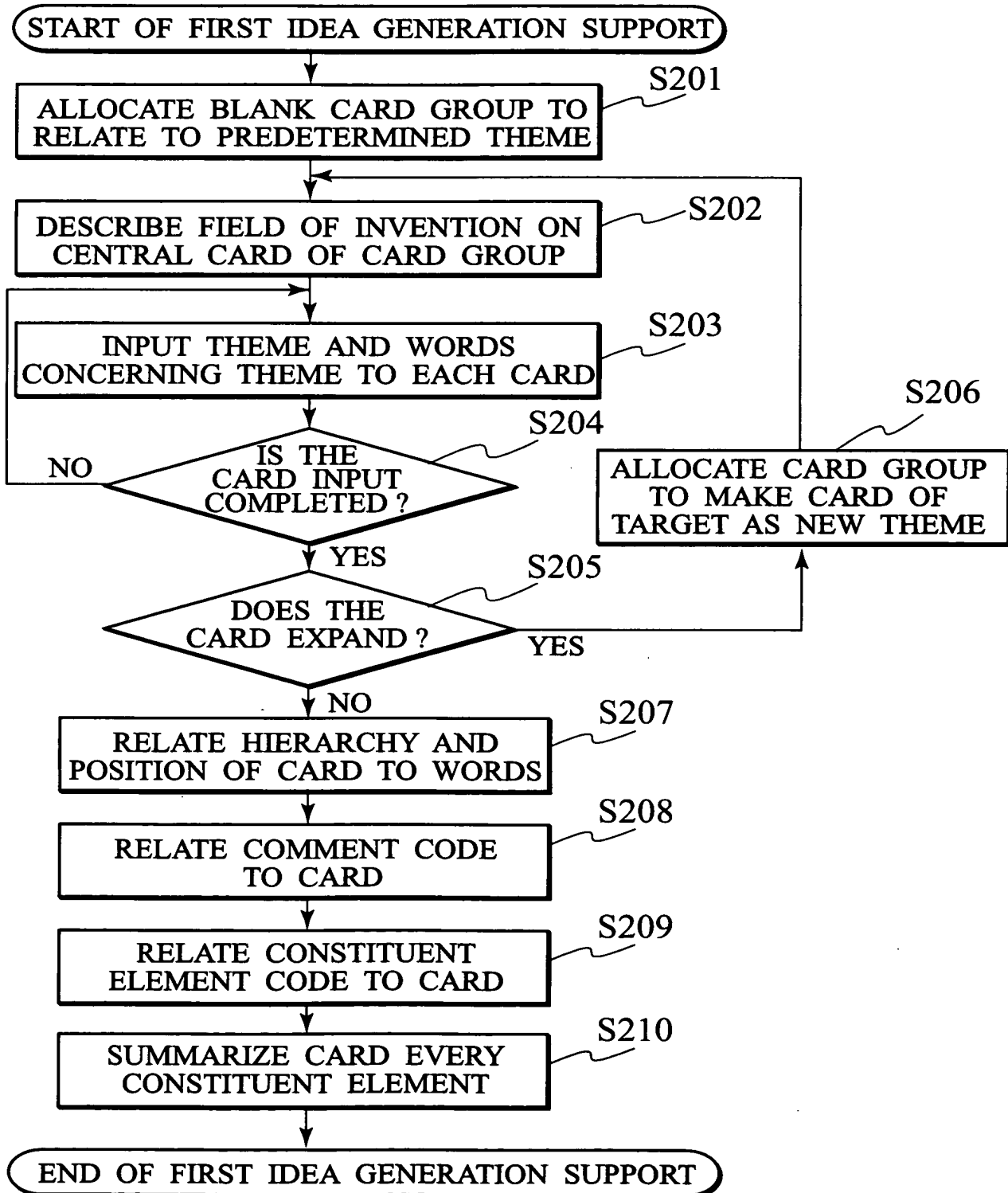
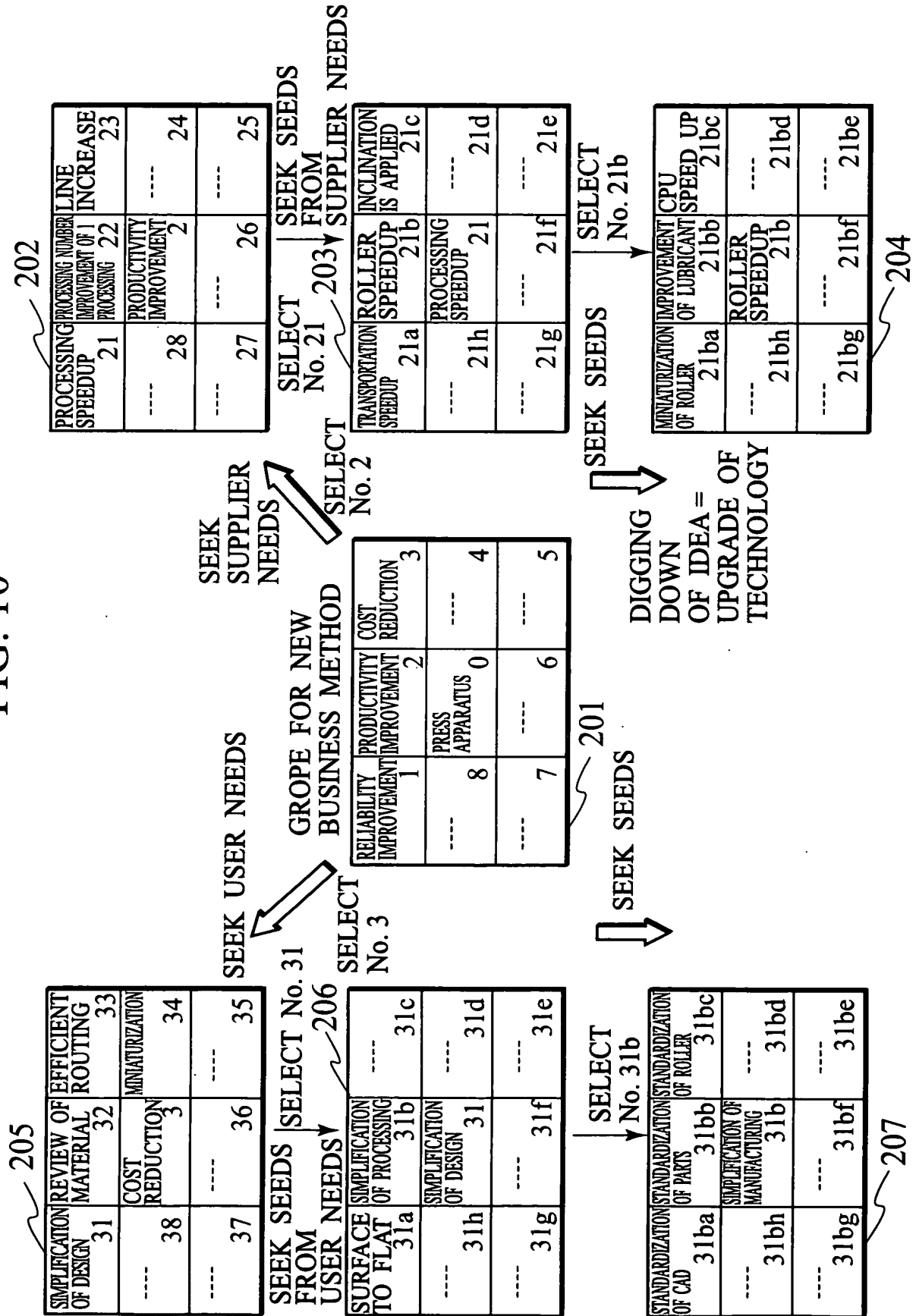


FIG. 10



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FIG. 11A

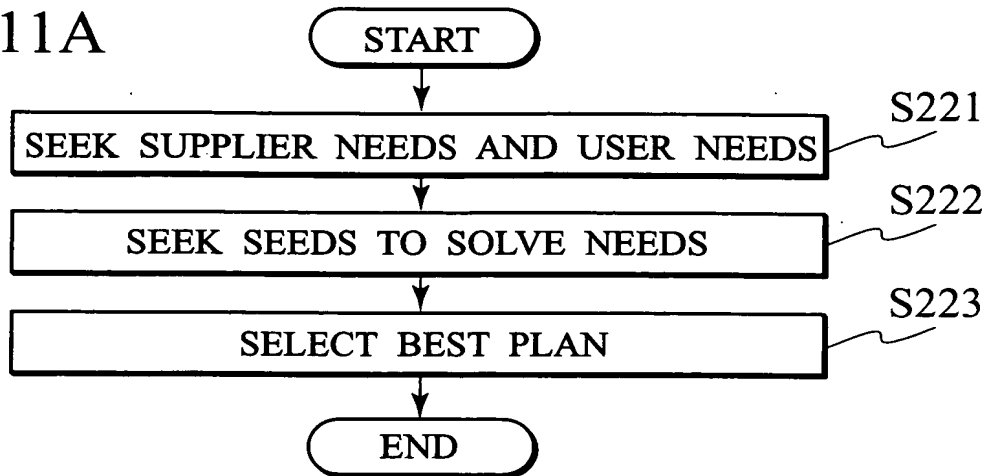


FIG. 11B

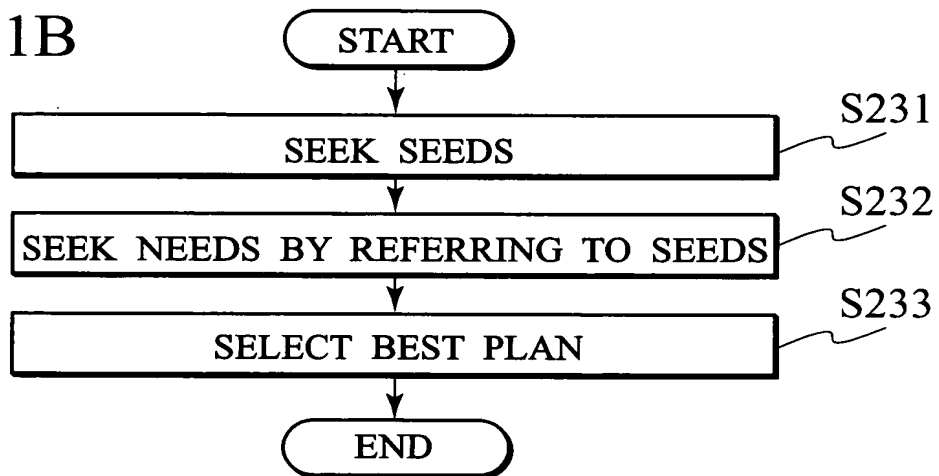
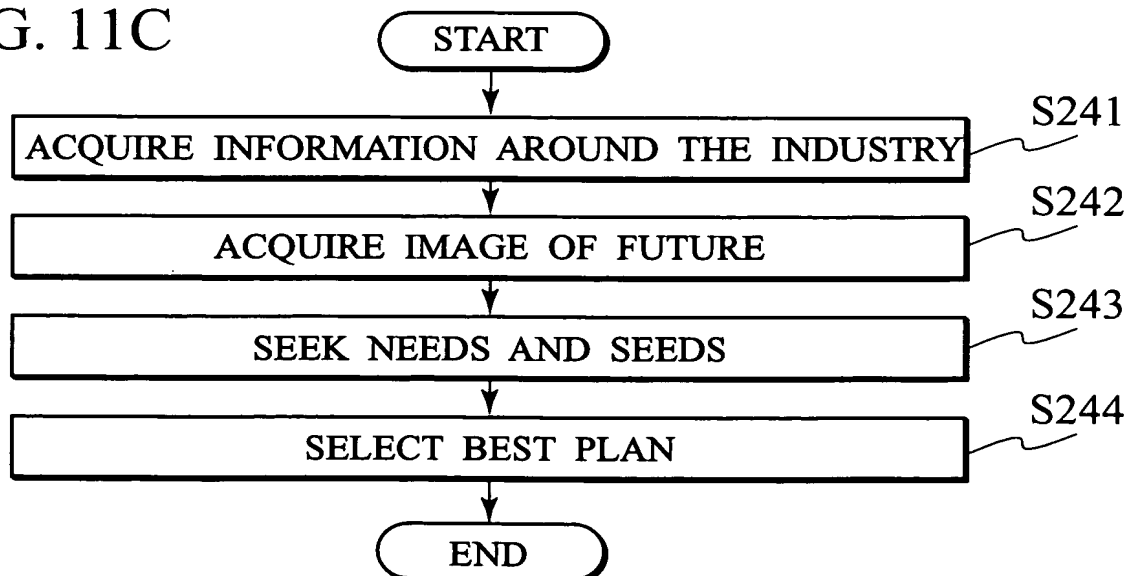


FIG. 11C



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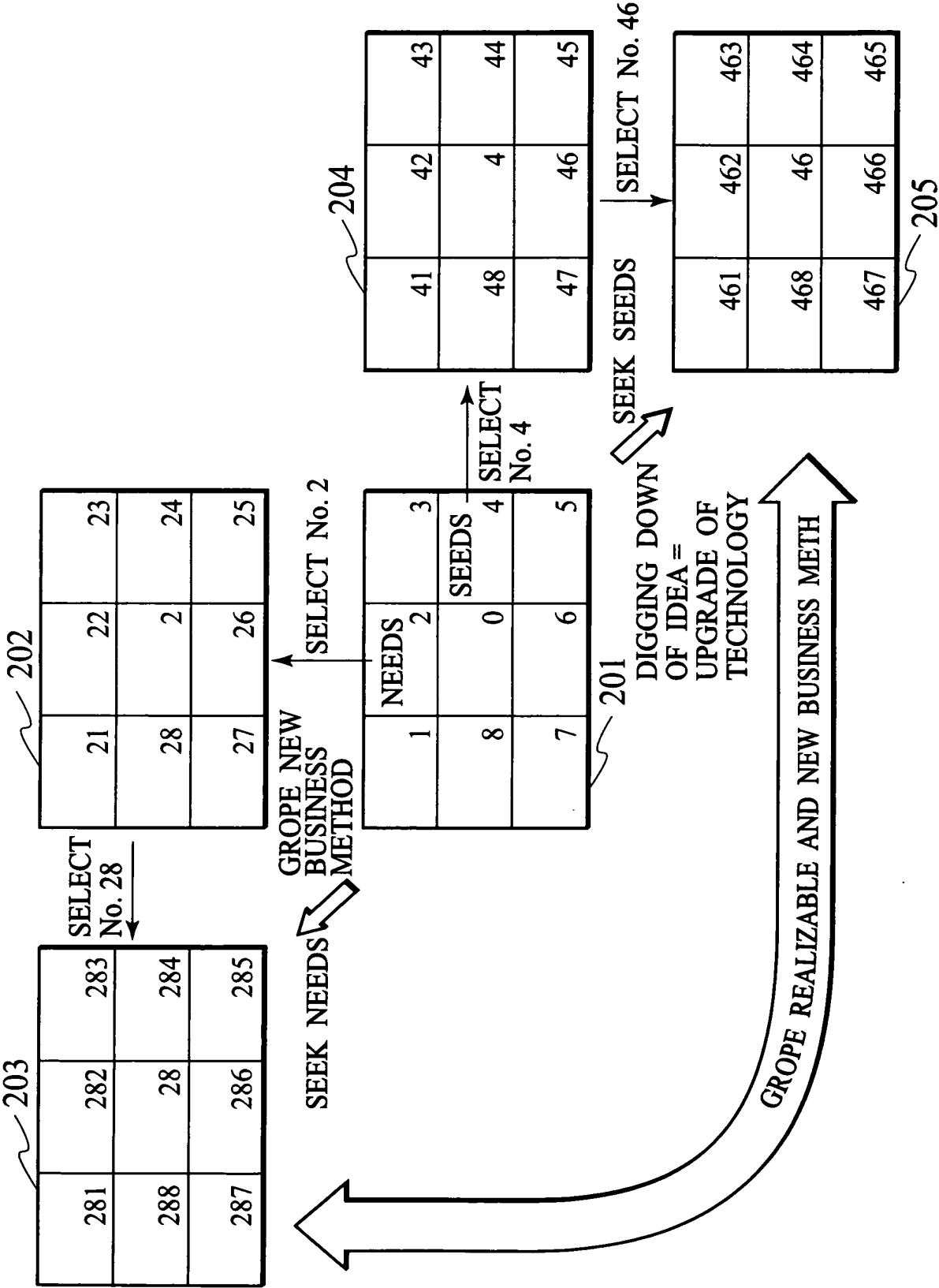
FIG. 12

CONSTITUENT ELEMENT INDICATING SECTION 251      SUPPLIER CARD INDICATING SECTION 252      USER CARD INDICATING SECTION 253

CONSTITUENT ELEMENT	SUPPLIER NEEDS/SEEDS	USER NEED/SEEDS
ROLLER	MINIATURIZATION OF ROLLER → ROLLER SPEEDUP → PROCESSING SPEEDUP → PRODUCTIVITY IMPROVEMENT	STANDARDIZATION OF ROLLER → SIMPLIFICATION OF MANUFACTURING → SIMPLIFICATION OF DESIGN → COST REDUCTION
LUBRICANT	...	...
CPU	...	...

P201

FIG. 13



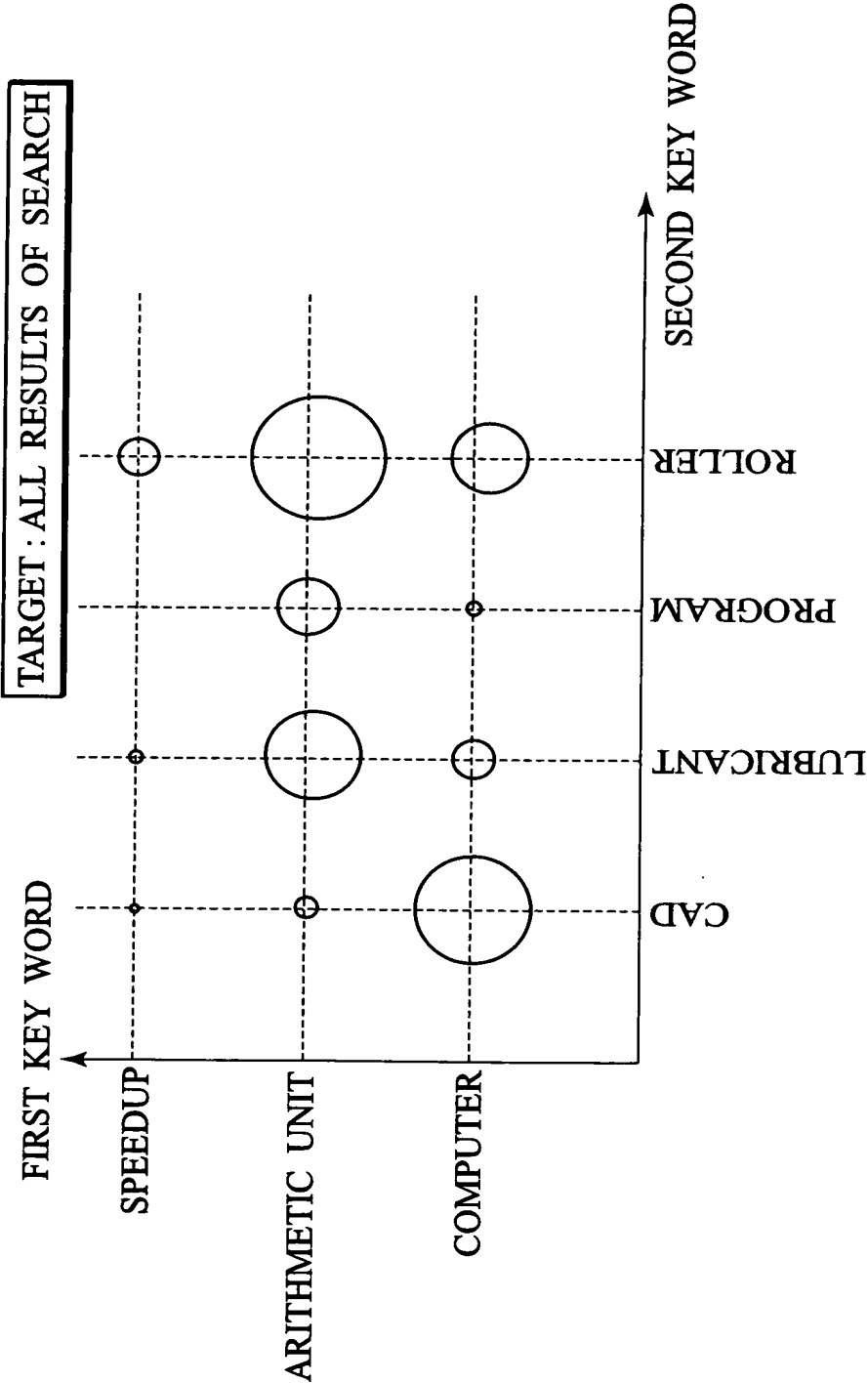
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FIG. 14

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ITEM	SEARCH KEY
SPECIFICATION	COMPUTER, ELECTRONIC CALCULATOR, INFORMATION EQUIPMENT
CLAIMS	CPU, CENTRAL PROCESSING ARITHMETIC UNIT, ARITHMETIC UNIT
ADVANTAGE	SPEEDUP, PROCESSING SPEEDUP
PATENT CLASSIFICATION	G06F17/00
...	...

FIG. 15



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FIG. 16A

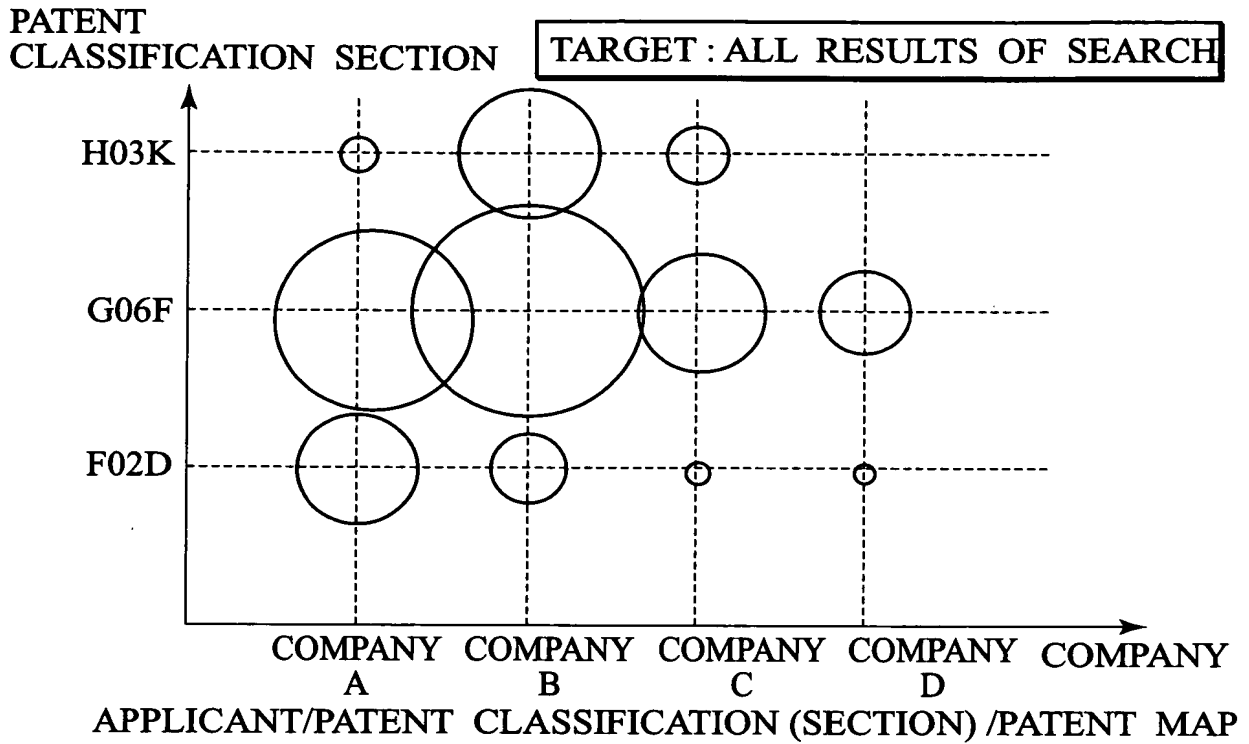
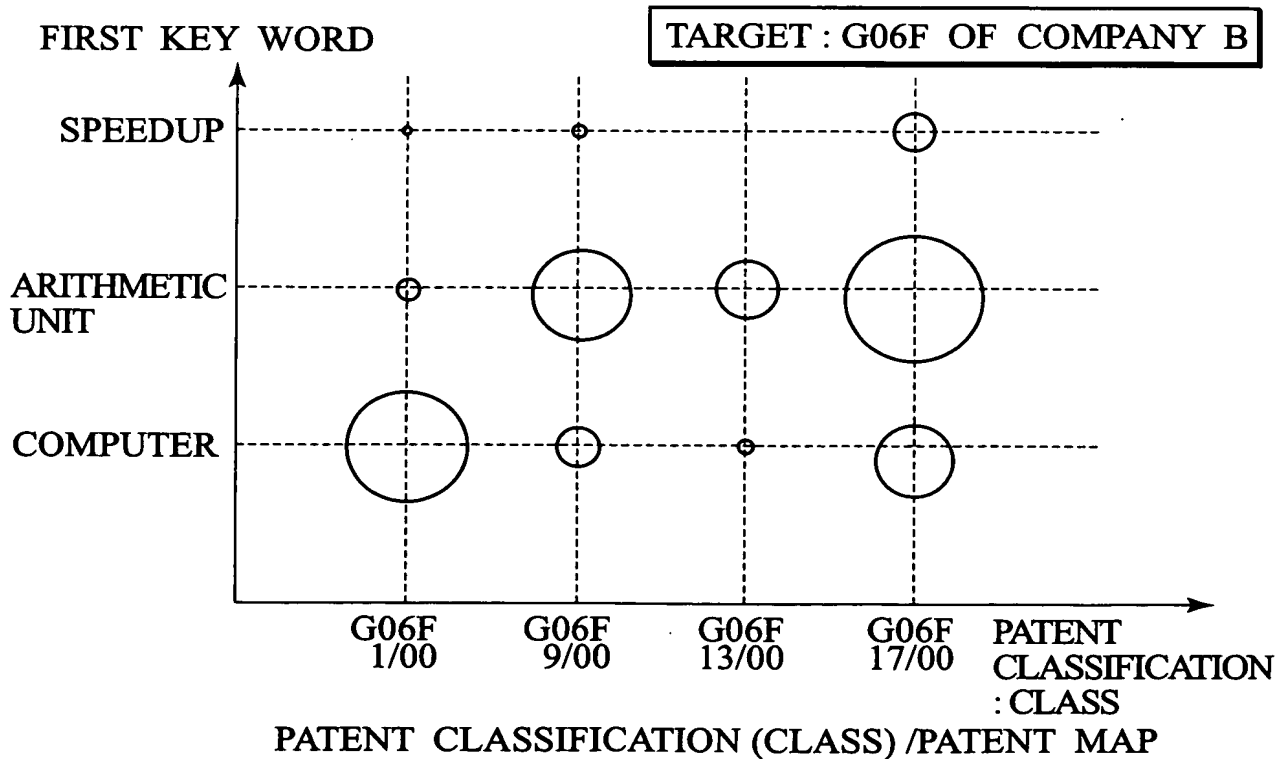
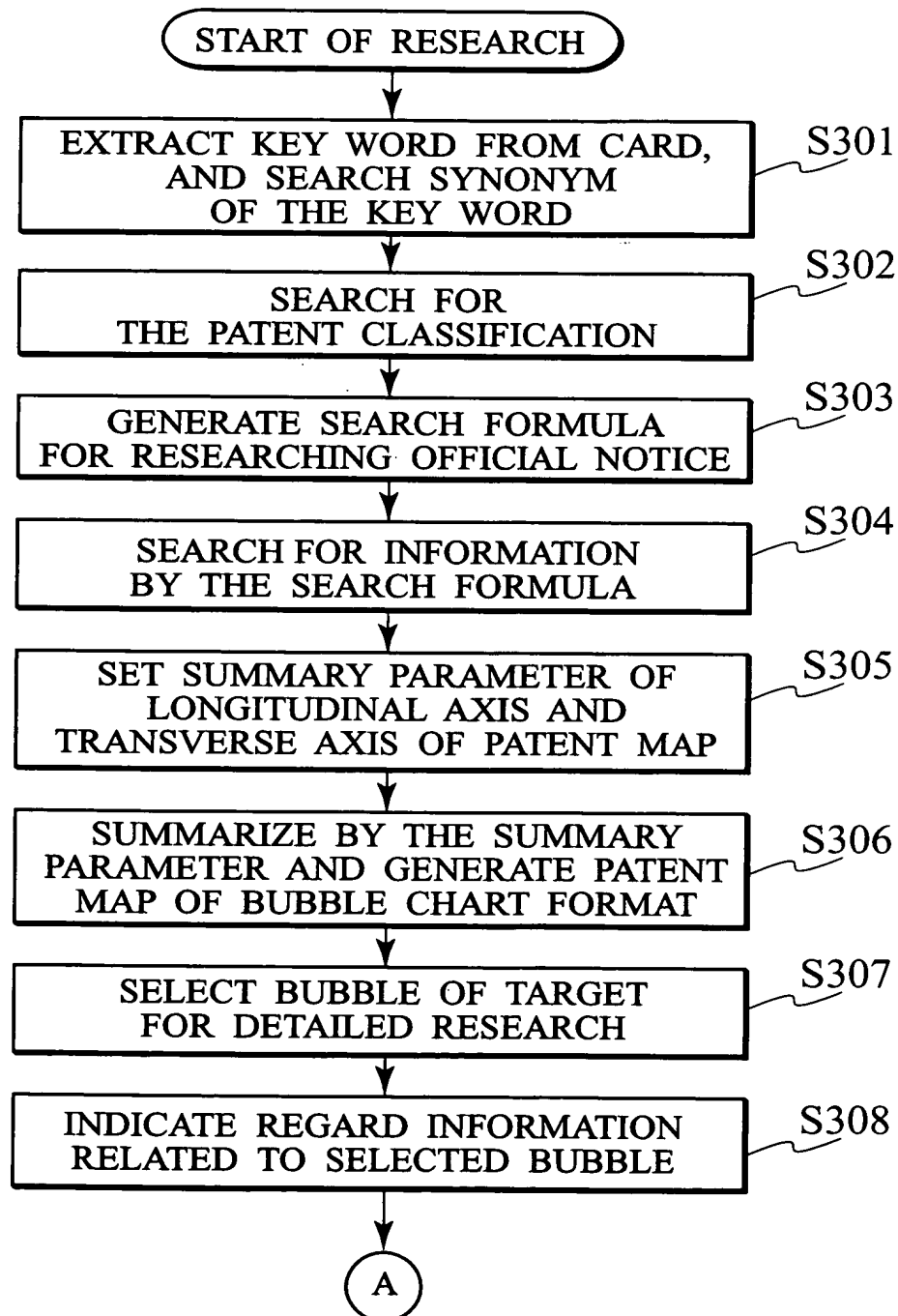


FIG. 16B



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FIG. 17A



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FIG. 17B

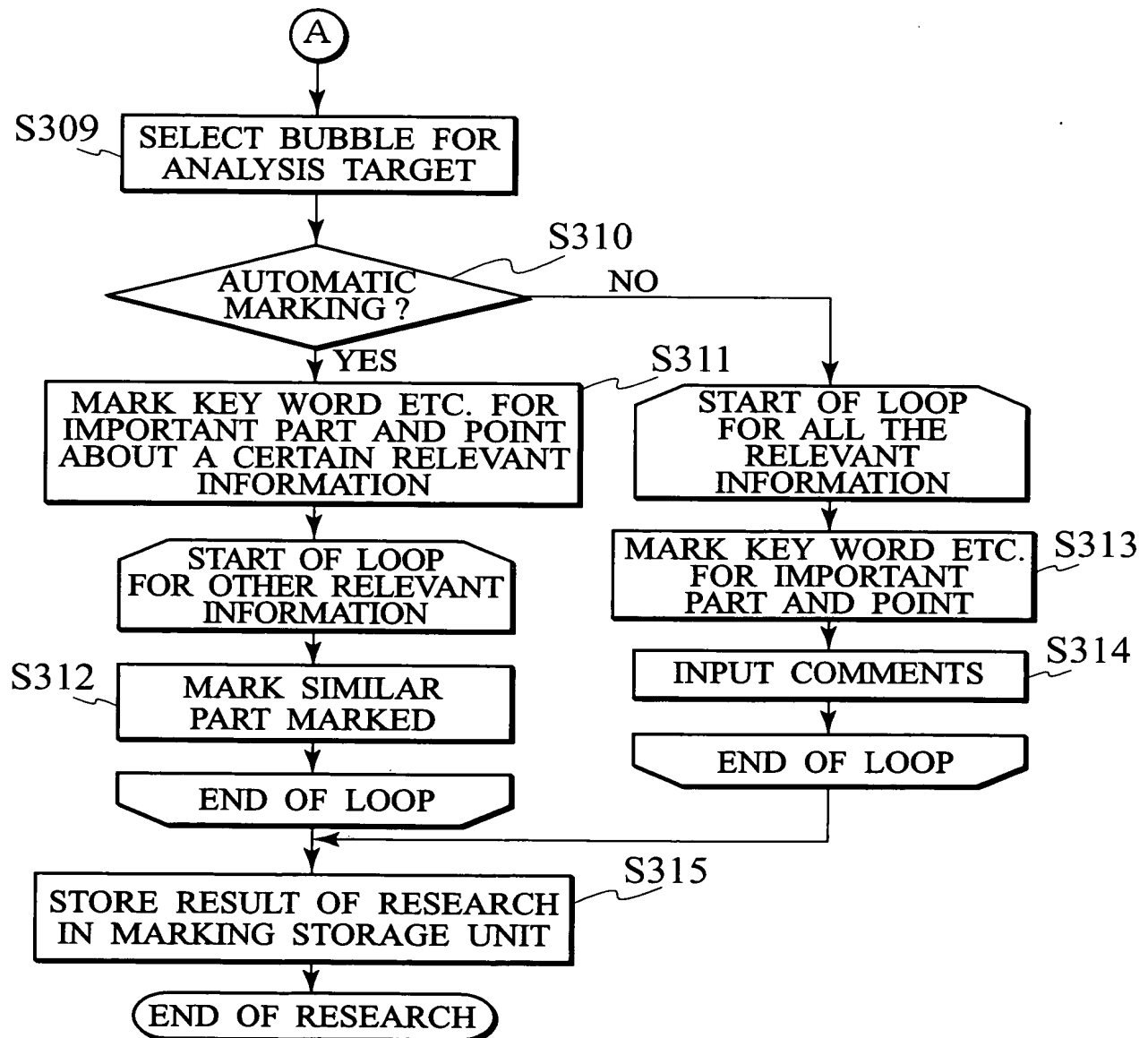


FIG. 18

L301

APPLICATION OF GF06F BY COMPANY B	• JAPANESE PATENT LAID OPEN PUBLICATION (KOKAI) No. 2002-XXXXX	DRAWINGS
<div data-bbox="581 1388 1203 1969"><ul style="list-style-type: none"><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. 2002-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. 2001-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. 2001-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. 2000-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. H11-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. H11-XXXXX</li><li>• JAPANESE PATENT LAID OPEN (KOKAI) No. H10-XXXXX</li></ul></div> <div data-bbox="1219 1661 1252 1682">⋮</div>	<div data-bbox="553 1220 586 1377">[CLAIMS]</div> <div data-bbox="618 1178 651 1339">[CLAIM 1]</div> <div data-bbox="716 621 837 1356">A XXXX program characterized by comprising: a central processing arithmetic unit for .....ing .....</div> <div data-bbox="894 590 927 1377">[DETAILED DESCRIPTION OF THE INVENTION]</div> <div data-bbox="943 1293 976 1377">[0001]</div> <div data-bbox="992 905 1024 1377">[FIELD OF THE INVENTION]</div> <div data-bbox="1040 789 1073 1377">The present invention relates to .....</div> <div data-bbox="1138 1293 1170 1377">[0002]</div> <div data-bbox="1187 1178 1219 1377">[PRIOR ART]</div>	<div data-bbox="570 411 602 527">[FIG. 1]</div> <div data-bbox="626 296 854 506"></div>

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FIG. 19

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ASSESSMENT CODE	ASSESSMENTS
0	NONE (INITIAL VALUE)
101	REFERENCE TO CLAIMS
102	REFERENCE TO PRIOR ART
103	REFERENCE TO APPLICATION FIELD
⋮	⋮
201	NON-RELEVANCY
202	RELEVANCY
⋮	⋮
301	REQUIREMENT TO RESEARCH OF PROSECUTION HISTORY PURSUIT
⋮	⋮

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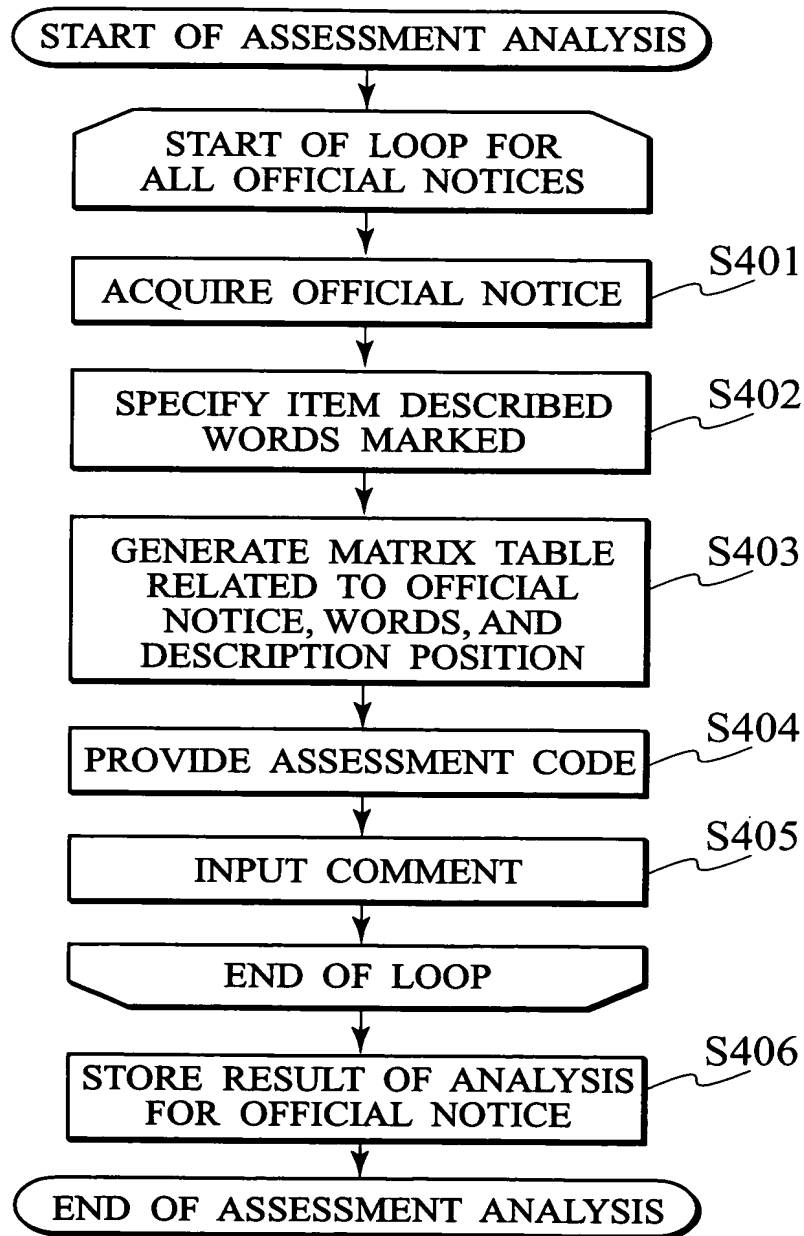
FIG. 20

20

PUBLICATION No.	CLAIMS	PRIOR ART	EMBODIMENT	ASSESSMENT CODE	PATENT CLASSIFICATION	COMMENTS
JAPANESE PATENT LAID OPEN (KOKAI) No. 2002-×××××	PROGRAM AUTOMATIZATION	CPU	PROGRAM AUTOMATIZATION PRINTING	101 201	G06F 17/00	EMPHASIS IN MARKETING
JAPANESE PATENT LAID OPEN (KOKAI) No. 2001-×××××	PROGRAM		PROCESSOR	102 202 301	G06F 13/00	
⋮	⋮	⋮	⋮	⋮	⋮	

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FIG. 21



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FIG. 22

L401

OFFICIAL NOTICE LIST DISPLAY WINDOW							
PUBLICATION No.	CLAIMS	PRIOR ART	EMBODIMENT	ADVANTAGE	ASSESSMENT CODE	PATENT CLASSIFICATION	COMMENTS
JAPANESE PATENT LAID OPEN(KOKAI) No. 2002-×××××	PROGRAM AUTOMATIZATION	CPU	PROGRAM AUTOMATIZATION PRINTING	PROGRAM AUTOMATIZATION		G06F 17/00	
JAPANESE PATENT LAID OPEN(KOKAI) No. 2001-×××××	PROGRAM		PROCESSOR	PROGRAM			
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---

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FIG. 23

L402

B403

411

412

B402

413

414

P402

OFFICIAL NOTICE ASSESSMENT INPUT WINDOW

END

JAPANESE PATENT LAID OPEN  
(KOKAI) No. 2002-XXXXX

COMPANY B DATE:XXXX,  
200X FILLED APPLICATION

CLAIMS	PRIOR ART	EMBODIMENT	ADVANTAGE
PROGRAM AUTOMATIZATION	CPU	PROGRAM AUTOMATIZATION PRINTING	PROGRAM AUTOMATIZATION

B401 ASSESSMENT CODE LIST BOX

ASSESSMENT CODE

101: REFERENCE TO CLAIMS

ADD

ADDED ASSESSMENT CODE

101: REFERENCE TO CLAIMS

102: IMPOSSIBILITY OF CONFLICT

COMMENTS:

FIG. 3 WILL BE USED IN THE PRIOR ART

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FIG. 24

L401

OFFICIAL NOTICE LIST DISPLAY WINDOW							
PUBLICATION No.	CLAIMS	PRIOR ART	EMBODIMENT	ADVANTAGE	ASSESSMENT CODE	PATENT CLASSIFICATION	COMMENTS
JAPANESE PATENT LAID OPEN(KOKAI) No. 2002-XXXXX	PROGRAM AUTOMATIZATION	CPU	PROGRAM AUTOMATIZATION/ PRINTING	PROGRAM AUTOMATIZATION	REFERENCE TO CLAIMS IMPOSSIBILITY OF CONFLICT	G06F 17/00	FIG. 3 WILL BE USED IN THE PRIOR ART
JAPANESE PATENT LAID OPEN(KOKAI) No. 2001-XXXXX	PROGRAM		PROCESSOR	PROGRAM			

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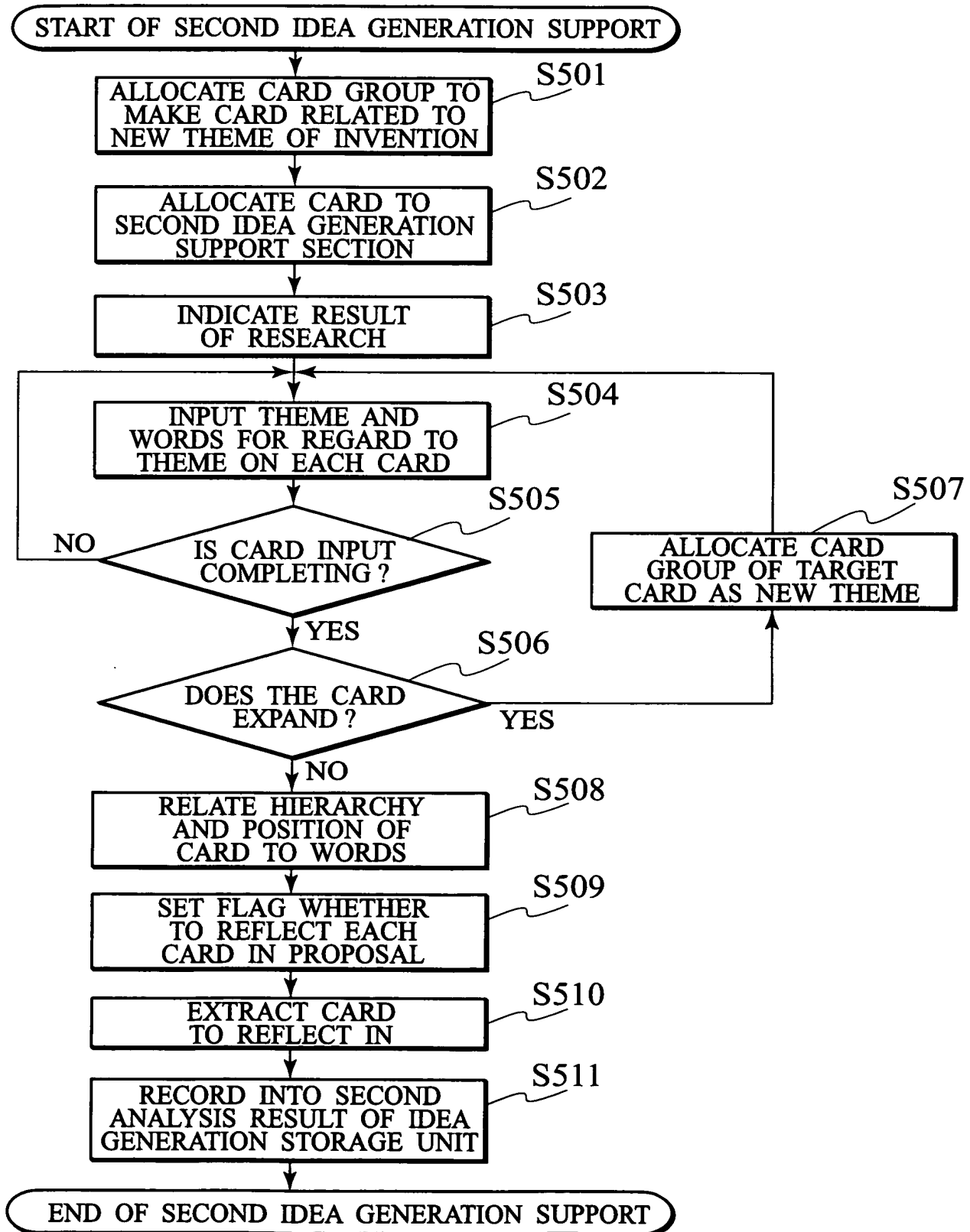
FIG. 25

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CARD No.	HIERARCHY	POSITION	PARENT CARD No.	THEME	WORDS	COMMENT CODE	DOCUMENT REFLECTION ITEM
1	0	0	-	PRESS APPARATUS			NON-REFLECTION
2	0	1	-	RELIABILITY IMPROVEMENT	AIM AT ERROR RATE TO 7% OR LESS	1	NON-REFLECTION
3	0	2	-	PRODUCTIVITY IMPROVEMENT	AIM AT 10-FOLD IMPROVEMENT	1	OBJECT
4	0	3	-	COST REDUCTION	10% COST CUTTING	1	NON-REFLECTION
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
21	1	1	2	PROCESSING SPEEDUP	AIM AT 10-FOLD IMPROVEMENT	1	NON-REFLECTION
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
21a	2	a	21	TRANSPORTATION SPEEDUP	FEAR OF QUALITY DEGRADATION	2	OTHER EMBODIMENTS
21b	2	b	21	ROLLER SPEEDUP	AUTOMATIZATION OF CONTROLLER	2	FIRST EMBODIMENT
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

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FIG. 26



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FIG. 27

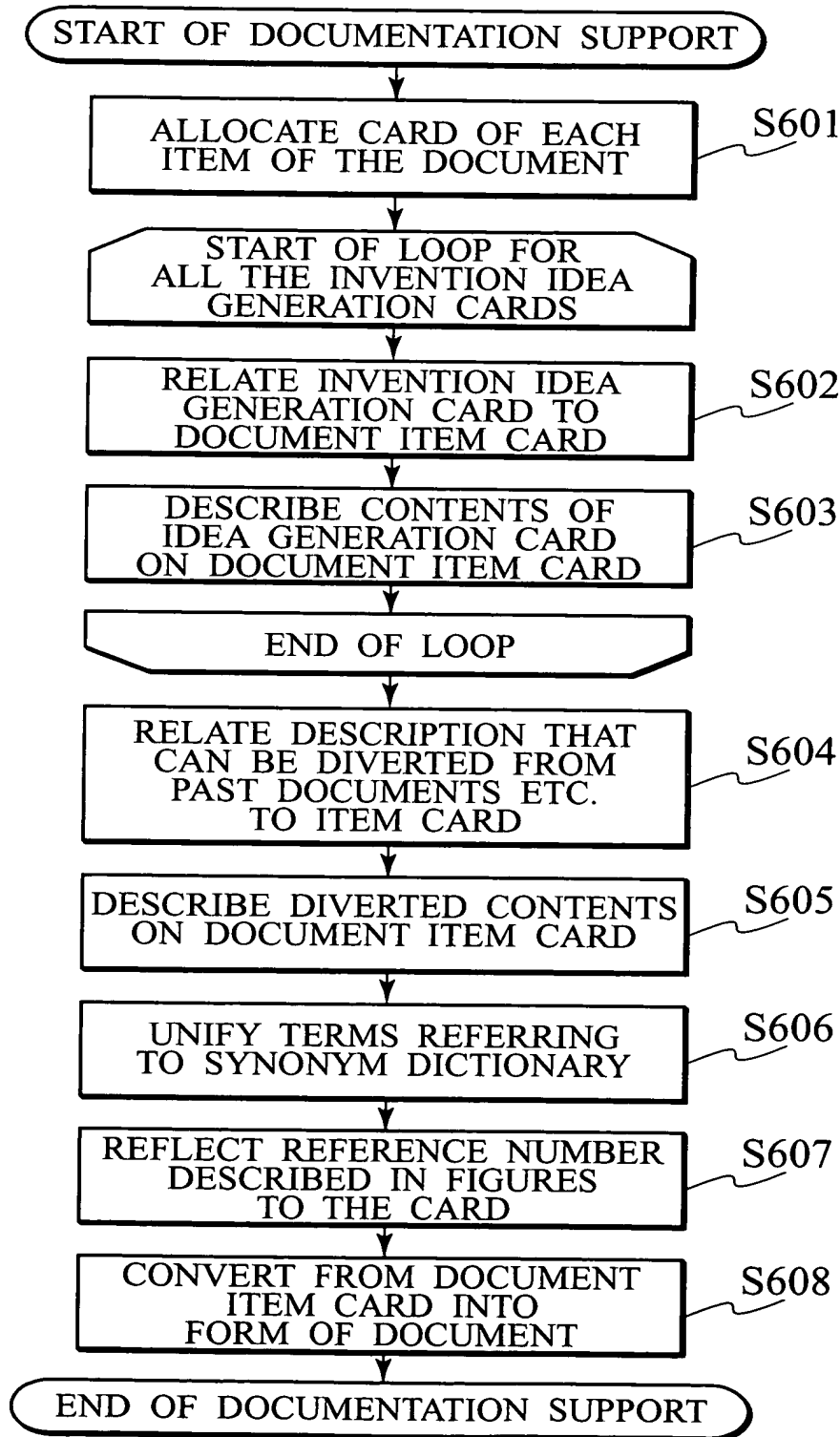
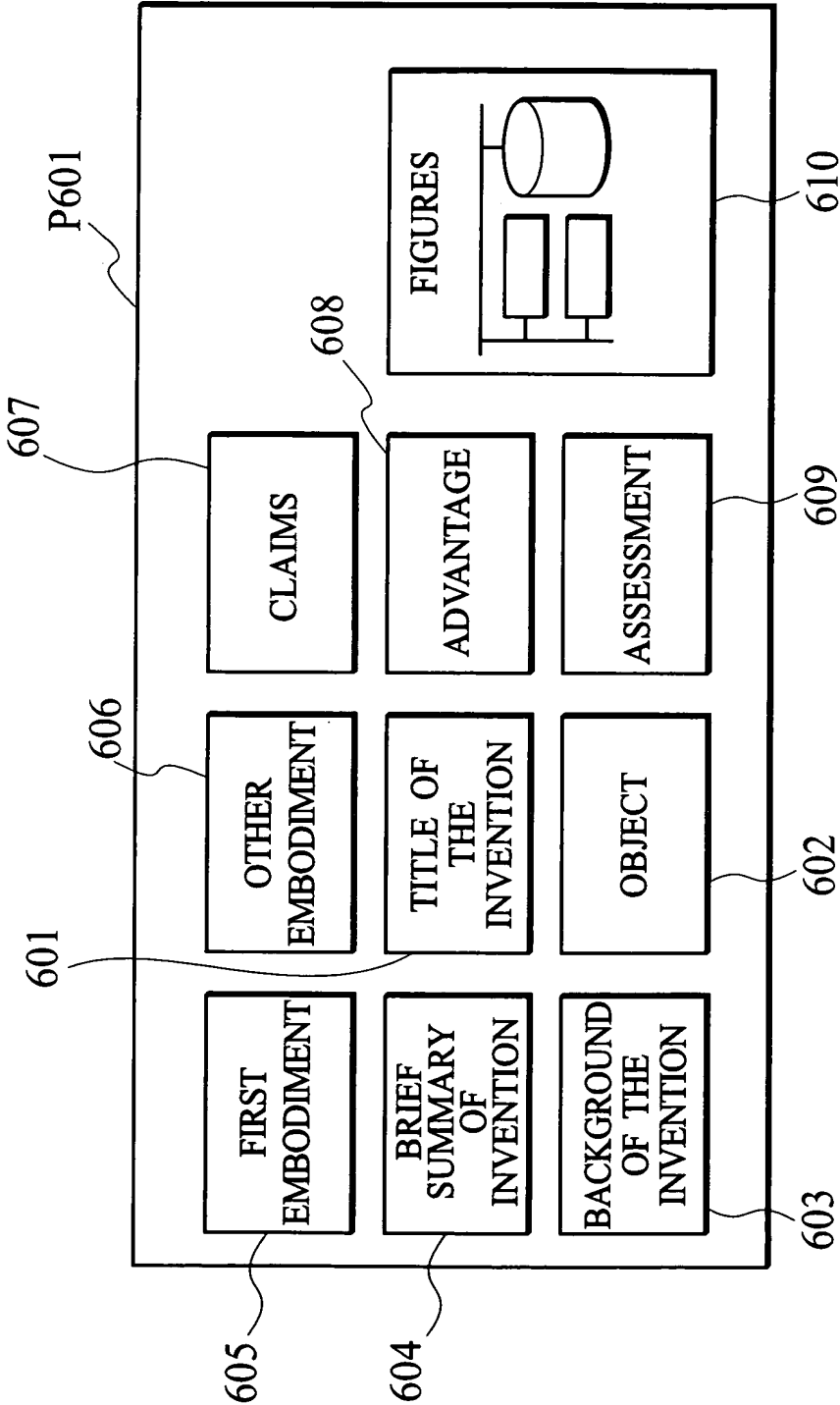


FIG. 28



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FIG. 29

Q : HOW DID YOU DEAL CONVENTIONALLY ?		611
DESCRIPTION FROM INVENTION IDEA GENERATION	<ul style="list-style-type: none"> <li>• ABC is achieved by the XYZ means.</li> <li>• Composition of ***.</li> <li>• XXX is possible.</li> </ul>	612
DIVERSION FROM OFFICIAL NOTICE	<div>CONVENTIONALLY, WHEN @@@ WAS DONE, IT HAS BEEN ACHIEVED LIKE XXX (FOR EXAMPLE, PATENT DOCUMENT 1).</div> <div>[PATENT DOCUMENT 1] JAPANESE PATENT LAID OPEN PUBLICATION (KOKAI) No. 2002-XXXXX</div>	614
ADDENDUM	<div>OFFICIAL NOTICE : JAPANESE PATENT LAID OPEN PUBLICATION (KOKAI) No. 2002-XXXXX</div> <div>THE PRESENT INVENTION IS ACHIEVED LIKE XXX IN ORDER DO @@@.</div> <div>613 OFFICIAL NOTICE EDITORIAL SECTION</div>	615

P602

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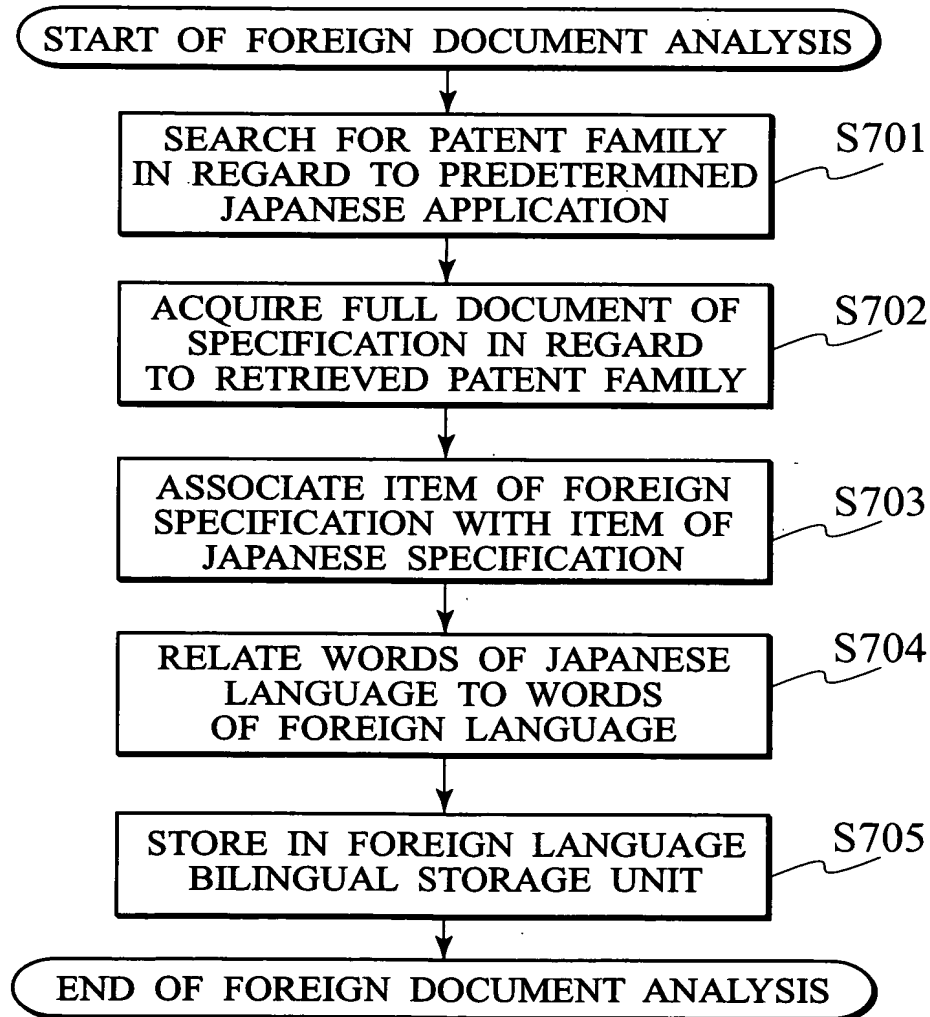
FIG. 30

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PUBLICATION No.	JAPAN	UNITED STATES	EUROPE
×,×××,×××	出力手段	display	output
×,×××,×××	表示手段	display	display
×,×××,×××	表示装置	display	display
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FIG. 31



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FIG. 32

JAPANESE PATENT LAID OPEN (KOKAI) No. 2002-XXXXXX			APPLICATION TRANSLATION	
JAPAN	PATENT FAMILY	COMPANY B	UNITED STATES	EUROPE
<p>【請求項1】</p> <p>表示手段と、</p> <p>と</p> <p>を備えることを特徴とする</p> <p>システム。</p>			<p>1.A --- system comprising:</p> <p>a display</p> <p>;</p> <p>...</p>	
			<p>1.A --- system comprising:</p> <p>an output</p> <p>;</p> <p>...</p>	

FIG. 33

JAPANESE PATENT LAID OPEN (KOKAI) No. 2002-XXXXXX				PATENT FAMILY	COMPANY B	APPLICATION	UNDO
JAPAN		UNITED STATES		EUROPE			
【請求項1】 表示手段と、 と を備えることを特徴とする システム。 706		1. ディスプレイと、 と を備えることを特徴とする システム。 709		1. 出力装置と、 と を備えることを特徴とする システム。 710			

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P702

B702

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FIG. 34

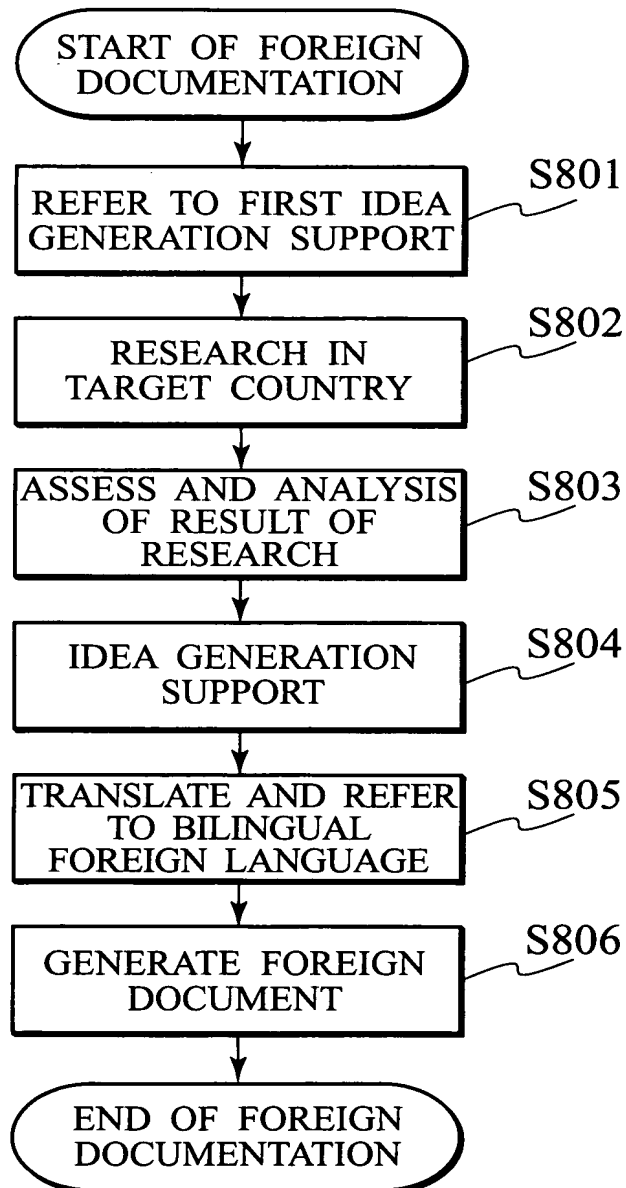


FIG. 35

L801

APPLICATION  
OF GF06F  
BY COMPANY B

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

• XXXXXXXX

B801

TRANSLATION

◦ BACKGROUND OF INVENTION

1. Field of the invention

-----

-----

2. Description of the Related Art

-----

-----

◦ SUMMARY OF THE INVENTION

DRAWINGS

FIG. 1

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803

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FIG. 36

FIG. 36 is a schematic diagram of a document layout, likely a patent application form, divided into several sections and panels.

The main body of the form is divided into two primary horizontal sections, labeled **L811** (left) and **B811** (right).

**Section L811 (Left):**

- At the top, it contains the text: "APPLICATION OF GF06F BY COMPANY B".
- Below this, there are several lines of placeholder text, each preceded by a dot: ".XXXXXXXXXX".
- At the bottom of this section, there is a dashed line.

**Section B811 (Right):**

- At the top, there is a box labeled "UNDO".
- Below the "UNDO" box, the section is divided into four horizontal panels:
  - Panel 1:** Labeled "発明の背景" (Background of the Invention) and "1. 技術分野" (Technical Field). It contains a dashed line.
  - Panel 2:** Labeled "2. 関連技術の記載" (Description of Related Art). It contains two dashed lines.
  - Panel 3:** Labeled "発明の開示" (Disclosure of the Invention). It contains a dashed line.
- At the bottom of the B811 section, there is a dashed line.

**Other Elements:**

- On the far right, there is a vertical column labeled "図面" (Drawings). It contains a box labeled "図 1" (Figure 1) and a large empty rectangular area below it.
- On the far left, there is a vertical column labeled "図面" (Drawings). It contains a box labeled "図 1" (Figure 1) and a large empty rectangular area below it.
- At the bottom of the form, there are labels **811** and **812** pointing to the bottom edge of the main content area.
- At the top of the form, there are labels **803** and **P802** pointing to the top edge of the main content area.

FIG. 37

